**WARNING:** The V1000 is a PoE device. Do not connect to an Ethernet port of a PoE capable port. This applies to both direct PoE Power Supply and PoE injector (Midspan PoE) equipment. Not all PoE's correctly detect Non-PoE capable devices, and such PoE's may not function as expected when connected to Non-PoE equipment.

**Note:** Carefully peel the protective covering from the label of the unit and leave the label attached to the unit's cover for future reference.

**CAUTION:** Some magnetic locks exhibit both high turn-on current and internal arcing within an instantaneous break voltage. Overvoltage due to magnetic field collapse. It is recommended you use of a snubber circuit across the controlling relay contacts.

**NOTE:** UNLESS OTHERWISE SPECIFIED:

1. THIS INSTALLATION WIRING DIAGRAM IS INTENDED AS AN EXAMPLE ONLY, AND SHOULD NOT BE INTERPRETED AS THE MANUFACTURER RECOMMENDATION.

2. THE V1000 PHYSICAL RS-485 PORT 1 AND 2 RESIDE ON LOGICAL BUS 1 (P1), WHILE PORT 3 AND 4 RESIDE ON RS-485 LOGICAL BUS 2 (P4).

3. THE TERMINATION JUMPER SHOULD BE IN THE "OUT" POSITION FOR ALL HD VERTX SERIES PANELS EXCEPT FOR THE LAST VERTX SERIES PANEL ON THE RS-485 RUN.

4. THE LAST VERTX SERIES PANEL MUST HAVE THE TERMINATION JUMPER IN THE "IN" POSITION.

5. THE DEFAULT SETTINGS FOR ALL INPUT DEVICES ARE NORMALLY OPEN (NO), EXCEPT DOOR MONITOR INPUT WHICH IS NORMALLY CLOSED (NC).

6. THIS APPLIES TO BOTH DIRECT POE POWER SUPPLY AND POE INJECTOR (MIDSPAN POE) EQUIPMENT.

7. DO NOT DUPLICATE ADDRESSES ON THE SAME BUS.

**NOTES:**

1. **THREE-FACTOR SECURITY**
2. **V1000 - ACM**
3. **AVIGILON**
4. **Access Control Manager**
5. **Embedded Controller**

**Wiring Diagram Example**

**V1000 - ACM Embedded Controller**

**V1000 - DOOR/READER INTERFACE**

**CARD IN / FREE OUT**

(MOST COMMON OPTION)

**V200 - INPUT MONITOR INTERFACE**

(OPTIONAL - ADDITIONAL MONITORING)

**V1000 - DOOR/READER INTERFACE**

**CARD IN / FREE OUT**

(MOST COMMON OPTION)

**ACM Embedded Controller**

**Wiring Diagram Example**

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**Wiring Diagram Example**

**V1000 - ACM Embedded Controller**

**V1000 - DOOR/READER INTERFACE**

**CARD IN / FREE OUT**

(MOST COMMON OPTION)

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(OPTIONAL - ADDITIONAL MONITORING)

**V1000 - DOOR/READER INTERFACE**

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**Wiring Diagram Example**

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**Wiring Diagram Example**